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MOUAT

*The Ideal Assurance
of
Winter Comfort*



A BACKGROUND OF HEATING SATISFACTION





JAN 16 1928

MOUAT
VAPOR HEAT

MOUAT VAPOR HEAT

*More Comfort
Less Fuel*

Manufactured by
THE MOUAT VAPOR HEATING Co.
CLEVELAND, O.



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Foreword

PROBABLY the chief factor contributing to the attainment of an ideal home is the heating system. Certainly no other unit is so vital to comfort and happiness.

As we search the past for the happiest days spent in our homes we find that our selection invariably has a winter setting. The very essence of our choice is that cozy warmth which seems to challenge the fury of biting winds and drifting snows. True, some of us in reminiscing will have visions of primitive heating methods and the inconveniences that accompanied them. Nevertheless, we still cling to our happy memories of Home in Winter.

Heating plant perfection is most nearly found in Mouat Heat, a system that conforms quickly to your temperature desires through climatic variance.

Exclusive features which make for greater comfort are greatly responsible for Mouat popularity. The joy of getting up in a warm house, the elimination of sizzling and leaky air valves, the instant response to the touch of a lever—the absence of knocking and pounding steam pipes—the lack of effort in operation—these advantages, with the great economy in coal consumption, make Mouat Heat the sensible choice of those contemplating house construction or those who for various reasons are not satisfied with their present heating system.

MOUAT

Selectivity



DESIRABLE room temperatures are governed by a multitude of conditions. It is obvious that the temperature of a room in which one sleeps or exercises should be cooler than that of the living quarters. This however, presents only one of the instances where Mouat selectivity is of decided advantage. Only in cases of illness are sleeping rooms heated to any great extent during the night, and it is a source of great comfort with the Mouat System to have heat instantaneously available for dressing.

Elderly folks, invalids and small children require especial consideration in the matter of heat and it is highly desirable that their requirements be fulfilled without overheating the whole house.

Any percentage of any radiator can be heated or the heat entirely shut off by simply turning the Mouat Graduating Valve at the top of the radiator. This makes it possible to control the temperature in any room to suit individual wants or conform to sudden weather changes quickly.



The ability afforded to entirely close any radiator of the Mouat System is valuable in the case of apartment houses or hotels, as the radiators in unoccupied rooms can be turned off and the expense stopped without affecting the other suites.

The Mouat System responds much more quickly than any other heating system and is capable of increasing or decreasing the temperature in the shortest possible time. In a few minutes after the fire is stirred up or the dampers opened, vapor will circulate through the pipes at about 212 degrees temperature and the effect is immediately apparent.

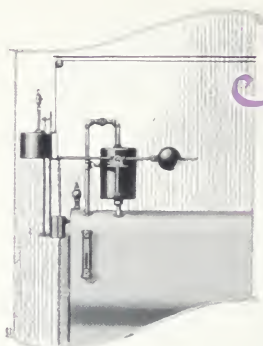
With a hot water system the heat cannot be satisfactorily controlled because, in order to prevent freezing, a small hole is provided in the valve and this allows circulation of water even when valve is shut off.

The Mouat System is sanitary, having no air valves on the radiators to give off impure air and foul gases. The air in the radiators is carried out with the water of condensation and discharged through an air valve in the basement.



MOUAT

Simplicity



SIMPLICITY of operation and absence of complicated mechanically operated parts are distinguishing features of Mouat Heat. The heat is naturally and rapidly circulated through the radiators without high pressure.

Only a minimum of attention is required and no expert knowledge is necessary to obtain exceptional results. Positive hand control of heat at each radiator makes it possible to regulate the temperature in each room accurately. This is accomplished by partially opening or closing the radiator supply valve and increasing or diminishing the heat as required. See diagram A.

The circulation of the heat is obtained without mechanical assistance, and is accelerated by a small amount of pressure in the boiler.

Low cost of operation and maintenance is assured in the Mouat System because circulation is obtained by gravity.

The water of condensation returns to the boiler by means of its own weight without expense. It requires no pumps, return traps, or other mechanical devices which would add to the expense of operation and maintenance. The Mouat System has none of these complicated parts to get out of order.



Desirability

WITH Mouat Heat you will have radiators that can be adjusted to suit weather conditions or shut off entirely, if desired. You will not have to contend with extremes of heat or cold.

You will not have to wait for steam to force the air out of the system, through pin holes in automatic air vents before getting the benefit of the heat. Mouat Heat is extremely quick in operation, as the usual resistance to circulation is removed.

You will reduce to the minimum the possibility of pipes freezing and flooding your home as no water remains in the pipes of the Mouat System above the basement or boiler water level.

You will not have to bend over to operate a squeaky, hard turning radiator valve. Just a touch operates the Mouat Graduating Valve, conveniently placed at the top of the radiator, and the results are immediately apparent.

When gas or oil is used, little attention is required except to light the burners at the beginning of the heating season, turn them off in the spring and operate the Mouat Fractional Valve on the radiator to give more or less heat as required.



MOUAT

Economy



THE MOUAT SYSTEM, when operated with coal, does not require firing as often as most systems, which is a source of comfort and convenience. This also describes in a few words the extraordinary economical possibilities of Mouat Heat. The Mouat Damper Regulator is a simple but effective device which conserves fuel and prolongs the periods between firing. Though effective, Mouat Heat is mild and uniform, operating on extremely low pressure. Controlled by a sensitive regulator which operates the boiler drafts, no heat is generated that is not used.

In view of the prevailing high cost of fuel, the saving effected through the use of the Mouat System is indeed welcome and in this direction it is an established fact that Mouat installations have given constant satisfaction over a period of 14 years without the necessity of repairs.

Steam systems operate on pounds of pressure and with hot water the weight of the water in the pipes creates pressure. Therefore, leakage is sometimes experienced with both of these systems. Mouat Vapor Heat operates with very slight pressure, rarely going over three or four ounces.



The Mouat System has no expansion tank to require filling as in a hot water system, and there is no water in the radiators or pipes above basement except the small amount of condensation. This minimizes the danger of freezing and it is impossible to flood the building.

There is practically no possibility of this system getting out of order because it has no complicated mechanism of any kind. Repairs are practically unknown.

Expense for upkeep is avoided and strict fuel economy effected, a combination which makes this system worthy of first consideration by every home or building owner.

Assistance

Our organization is composed of a trained corps of specialists in Mouat Vapor Heat. They have had many years of practical experience and have designed and supervised thousands of installations.

We co-operate with architect, heating contractor or owner, giving to each all necessary information in regard to planning, installing, and operating a MOUAT Vapor Heating System, thus insuring absolutely satisfactory results.

MOUAT

Adaptability



MOUAT HEAT will operate satisfactorily in conjunction with any standard steam heating boiler equipped for burning coal, coke, gas or oil; also with central station steam. Its advantages, therefore, are available in every locality for operation with one's favorite fuel or heating plant.

The Mouat Vapor Regulator controls the fire in the boiler, regardless of whether burning coal, gas, oil or coke and maintains an adequate supply of vapor at all times, for any requirements. The Regulator is constructed on the principle of an hydrostatic balance and is automatically operated by water which is moved from a stationary tank to another tank on a tilting arm, and vice versa, by the variation of pressure in the boiler.

In cases where central station steam is available the Mouat Regulator is used to control the pressure. The expense of a boiler is avoided, and no attention whatever is required.

No special radiators are needed—wherever steam or hot water radiators are already installed they may be used advantageously with the Mouat System.



Standard steam and hot water systems already installed may be changed to operate with Mouat Heat, a feature of particular interest to those who plan to remodel buildings and want to bring their heating plant up to the highest standards of efficiency. This may be accomplished without mechanical difficulty and has proven highly satisfactory in every way.

The Mouat System may be installed to operate under atmospheric or vacuum conditions.

When oil fuel is used in connection with the Mouat System it is installed to operate under closed and vacuum conditions.

We guarantee successful heat graduation and are enabled to do so because of the high efficiency of the Mouat Regulator, which operates the dampers on a variation of less than an ounce of pressure, and assures having a uniform supply of vapor in each radiator in accordance with the control at the radiator valves.

Mouat Heat has proven eminently satisfactory in all classes of dwellings, in churches, hotels, office buildings, public buildings, etc.

In this catalog a few of these buildings are illustrated, but it is of course impossible to show the complete range in character of buildings in which Mouat Heat is successfully operating.

—MOUAT—

Adaptability to



Residence of Mr. Charles P. Taft, II, Cincinnati, Ohio.
Abram Garfield, Architect.



Residence of Mr. Fred Wardwell,
Fairway Drive, Detroit, Mich.



the Residence



Residence of B. R. Deming, Cleveland, Ohio.
Howell & Thomas, Architects.



Residence at Indianapolis, Ind.
Frederick Wallick, Architect.

MOUAT

Adaptability to



Residence of R. A. Hattersley.
Pohlmeyer & Pohlmeyer, Architects, Ft. Wayne, Ind.



Residence of Charles J. Seabrook, 2764 Fairmount Blvd., Cleveland, O.
Frank B. Meade & James Hamilton, Architects.



the Residence



Residence of Richard Garlick, Youngstown, Ohio.
Charles A. Platt, Architect.



Residence of Mr. Frank W. Coolidge, Jr.
1127 Kensington Road, Detroit, Mich.

MOUAT

Adaptability to



Residence of Mr. A. L. Schaaf, Ft. Wayne, Ind.
Owen C. Brunswick, Architect.



Residence of Mr. A. C. Hook, Bay Village, Ohio.
Karl I. Best & E. G. Hoeffler, Architects.



the Residence



Residence of S. J. Llewellyn,
1246 Ridge Ave., Evanston, Ill.



Residence of Mr. E. H. Richardson,
St. Louis, Mo.

MOUAT

Adaptability to



Residence of Mr. Louis H. Kaiser, Jr., Cincinnati, Ohio.
Herbert Spielman, Architect.



Residence of Dr. Frank A. Hamilton, Indianapolis, Ind.
Willard B. Olsen & Lee Burns, Architects.



the Residence



Residence at 3910 Washington Boulevard, Cleveland, Ohio.
Wm. Koehl, Architect.



Residence of Mr. F. A. Seiberling, Akron, Ohio.
Charles S. Scheider, Architect.

—MOUAT—

Adaptability to



Homestead Hospital, Homestead, Penn.
Press C. Dowler, Architect, Pittsburgh, Pa.



First Presbyterian Church, Marion, Ohio.
Martin, Orr & Martin, Architects, Columbus.



Public Buildings



The Sheridan Apartments, Ft. Wayne, Ind.
A. M. Strauss, Architect.



B. of R. T. Office Building, Cleveland, Ohio.
Charles S. Schneider, Architect.

MOUAT

Adaptability to



Elks Temple, Muncie, Ind.
Houck & Smenner, Architects.



Portage Country Club from the Golf Course, Akron, Ohio.
Good & Wagner, Architects.



Public Buildings



Veness Apartments,
Owen Ave. and Rush St., Detroit, Mich.



Cook Building, Prospect & 46th St., Cleveland, Ohio.
The Lehman & Schmitt Co., Architects

—MOUAT—

Adaptability to



Northern National Bank Building, Toledo, Ohio.
Mills, Rhines, Bellman & Nordhoff, Architects.



City Building, Logansport, Ind.
Carl J. Horn, Architect.



Public Buildings



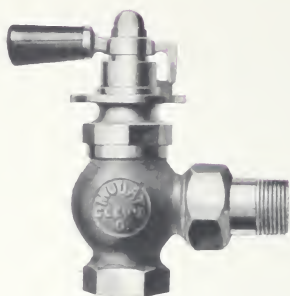
The Emerson Apartments,
Emerson Ave., Evanston, Ill.



St. Augustine's Academy, Lake Ave., Cleveland, Ohio.
Wm. Koehl, Architect.

MOUAT

Equipment Furnished



The Mouat Fractional Radiator Supply Valve



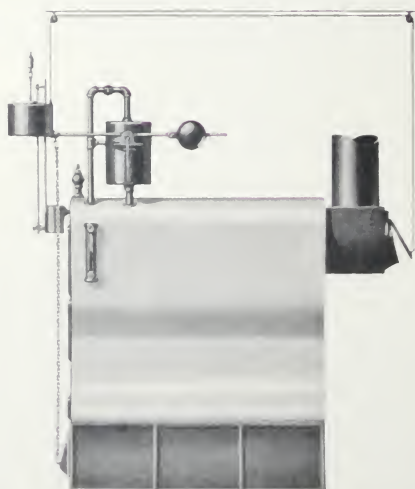
Quick Vent



Radiator Return Fitting



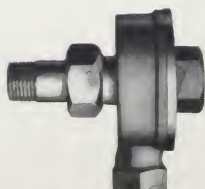
Main Air Vent



Mouat Damper Regulator, Mouat Vapor Pressure Gauge and Vapor Safety Valve connected to a Standard Sectional Heating Boiler



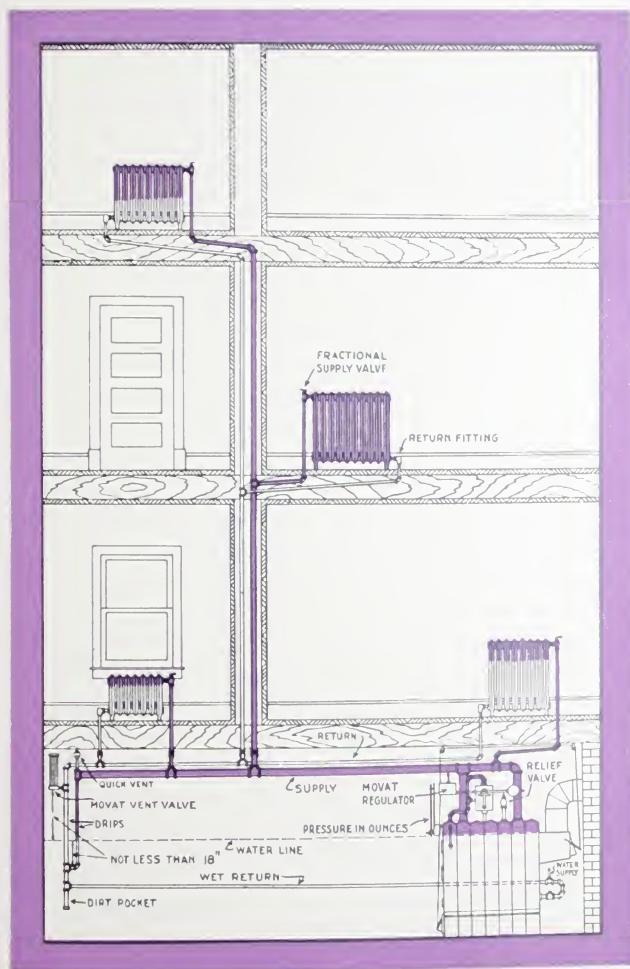
Pressure Gauge



Vapor Thermostatic Radiator Trap



Vapor Thermostatic Vent



(A) This illustration of the Mouat Vapor Heating System clearly shows how the temperature of each room can be regulated as desired. Note the absence of complicated mechanisms.

MOUAT

Necessity

THE home of today, with the many contrivances designed to eliminate the burdens of yesterday, cannot be entirely modern if its heating plant affords less advantages than are found exclusively in the Mouat System.

Summing up these advantages, as covered in the foregoing pages of this booklet, there is sufficient evidence of superiority to warrant your earnest consideration. Certainly Mouat Heat is an investment in comfort that pays a liberal dividend as regularly as winter comes—and installations now in operation have proven so entirely satisfactory that their owners class Mouat Heat as an indispensable convenience.

In most every instance where Mouat Heat is brought to the attention of those with means, it is purchased on a non-competitive basis because of its established reputation and the fact that no other system will compare in quality.

This statement should not be taken to imply, however, that Mouat Heat is not adapted to homes of those of more limited means, as hundreds of these systems are installed in small homes, two-family houses and apartments.



